

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	2158193
<b>Application Number:</b>	10821827
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	1400
<b>Title of Invention:</b>	Method and apparatus for channel estimation in radio systems by MMSE-based recursive filtering
<b>First Named Inventor/Applicant Name:</b>	Robert Denk
<b>Customer Number:</b>	31625
<b>Filer:</b>	Laura C. Brutman/BETSY ROSADO
<b>Filer Authorized By:</b>	Laura C. Brutman
<b>Attorney Docket Number:</b>	068758.0185
<b>Receipt Date:</b>	05-SEP-2007
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<b>Application Type:</b>	Utility under 35 USC 111(a)

### Payment information:

Submitted with Payment	no
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### File Listing:

Document Number	Document Description	File Name	File Size(Bytes) /Message Digest	Multi Part /.zip	Pages (if appl.)
1		L0099_0003.pdf	242542	yes	6
			9b6e6a58f56396102b4be18e507961324e170ce1		

	Multipart Description/PDF files in .zip description		
	Document Description	Start	End
	Change of Address	1	1
	Assignee showing of ownership per 37 CFR 3.73(b).	2	2
	Power of Attorney	3	6

**Warnings:**

**Information:**

<b>Total Files Size (in bytes):</b>	242542
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**New Applications Under 35 U.S.C. 111**

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

**National Stage of an International Application under 35 U.S.C. 371**

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

**New International Application Filed with the USPTO as a Receiving Office**

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.